



# MEDICO TOPOGRAPHICAL ACCOUNT

OF THE

## SHAH PURA CHIEFSHIP,

BY

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With two Maps and one Plan.



# Medico Topographical Account of the Chiefship of Shahpura, Rajputana.

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## I.—GENERAL DESCRIPTION.

Shahpura is a small tract of country in South-East Rajputana, its greatest length from North to South being about 30 miles, and its greatest width, East and West, some 21 miles.

The total area of the Chiefship including the Kachola Parganah is 705 square miles. The latter Parganah has an area of 300 square miles, and is made up of the three Tehsils of Kachola, Ulela and Rewas; these consist of fourteen islands of territory, which lie in the Mewar State, to the South and East of Shahpura. The main portion of the Chiefship consists of the Phulia Parganah, which is sub-divided into five Tehsils, those of Shahpura, Phulia, Sangaria, Dikola, and Dharia.

The Chiefship is for the most part flat and treeless and no hills of any height break the monotony of the plain: at Khamore and Mindolia, however, are to be seen some low hills and a range equally insignificant runs from Dikola to Nowgaon, a distance of about a mile and-a-half; here and there are outcrops of mica, schist, granite and hornblend from small hillocks which can be seen for miles.

There is no big jungle in the Chiefship, but large Birs exist at Lasaria, Karamrawas, Kanechan and Dhani, and in these are harboured large numbers of wild boar, black buck and chinkara; hare, fox, jackals and wolves are also plentiful, while the usual migratory game birds visit the tanks in large numbers and offer excellent opportunities for the sportsman. During the rainy season the florican, (*Khermore, Shahpasand*), is also found in the grass Birs in fair numbers. The following are considered sacred in the Chiefship; Cows, Bulls, Lungurs, Peacock and Pigeon.

The plains are fertile and largely cultivated and depend mostly on the monsoon for their crops; the Khari river and its tributaries, the Mansi and two other nullahs, are inconstant rivers and drain the water from this tract of land in a North and Eastly direction, into the Banas river.

There are no natural lakes. The only town of any importance is Shahpura, which had in 1901, a population of 8,974. Phulia and Sangaria are rich and thriving villages of 1,209 and 2,354 inhabitants respectively; the only other villages of any size are Doria, Dhanop, Dikola and Kothian which have a population of between one and two thousand. For the rest, the people live in small clusters of earth-built huts, erected near the most fertile parts of the country, and usually situated on the summit of a rise in the ground; these hamlets are for the most part squalid and mean, but the people are as a whole contented and comfortably well provided.

*Communications.*—No railway has as yet penetrated the Chiefship, but the Rajputana-Malwa line passes through the Mewar territory to the West of Shahpura; passengers for Shahpura city alight at Lambia station; from this place after a drive of twelve miles the Dikola Tehsil is entered, the Capital being reached some ten miles further on. The road from Lambia to Shahpura, which is but a country cart track, is the best *katcha* road in the Chiefship, which as yet (1910) can boast of no metalled roads. The road from Deoli to Shahpura is in parts rough and uncared for, making the drive of 30 miles long and tedious.

*The Capital.*—The town of Shahpura is situated 25° 38' N and 74° 56' E and is 30 miles from Deoli, 60 from Ajmer and 22 from Lambia Station. Its population in 1901 was 8,974.

*Archeology.*—Of archeological remains the Chiefship cannot boast of many; the only place which is of interest from this point of view, is the village of Dhanop some 12 miles from Shahpura; this in olden times was a flourishing town and a stronghold of Buddhism, as is witnessed by the black stone carvings and idols, which have been excavated; these temples suffered severely under the hands of the Mohammedan Emperors; and but little now remains to show the former importance of the place.

The original old wall of Shahpura commenced in the time of Bharat Singh, still surrounds the town and is, like all fortresses built at that period, a massive structure of stone, brick and earth of about 32 feet in width.

The only other building of interest is the collection of chatris at Ramdwara; this is a very holy place and the head-quarter of the Sadhu of Ram Sanahi sect; only members of this sect and of the Rajadhiraja's family are privileged to be cremated here, and when their ashes have been sent to the Ganges, a chatri is erected to the memory of the departed and marks the site of the cremation. In this way has come into existence a very fine collection of chatris, the most ancient of which does not however date previous to 1650 A.D.

## II.—HISTORY —(*Taken from Gazetteer.*)

The Shapura family belongs to the Sesodia clan of Rajputs being descended from Amar Singh I, Rana of Mewar about the end of the sixteenth century, through his son Suraj Mal. The Chiefship of Shahpura came into existence about 1629, when Suraj Mal's son, Sujan Singh, received from the Emperor Shah Jahan, as a reward for gallant services, a grant of the Parganah of Phulia out of the crown lands of Ajmer, on condition of performing service with 50 horseman. Sujan Singh at once changed the name of this district to Shahpura after his benefactor, and founded the town of the same name; he was thus the first Chief of Shahpura. He was killed in 1658 at Fatehabad near Ujjain, when fighting on the side of Dara against Aurangzeb. His grandson, Bharat Singh was the third Chief, and received from the Emperor Aurangzeb the title of Raja. The next Chief was Umed Singh who was killed at Ujjain in 1768 when fighting for Rana Ari Singh of Mewar against Mahadji

Sindhia. The seventh Chief Amar Singh (1796-1827) is said to have received from the Maharana of Mewar the title of Raja Dhiraj which is accorded to successors to this day. The eleventh and present Chief is Raja Dhiraj Nahar Singh who succeeded by adoption in 1870 received full powers in 1876, and was made a K.C.I.E. in 1903. Under the Sanad of June 27, 1848, the Chiefship pays to the British Government a tribute of Rs. 10,000, subject to the proviso that, if the Customs duties levied in the Ajmer District be abolished, the Chief shall, if the Government so wish also cease to collect such duties, and in such a case the tribute shall be reduced to Rs. 2,000 a year. The Chief has received the right of adoption.

In addition to holding Shahpura directly by grant from the British Government, the Raja Dhiraj possesses the estate of Kachhola in Udai-pur, for which he pays tribute and does formal service as a great noble of that State.

### III.—METEOROLOGICAL.

#### CLIMATES, WINDS AND RAINFALL.

The winter months in Shahpura are cold, dry and very pleasant; during the months of December and January, a minimum temperature varying from 35° to 46° F is recorded, and the poorer inhabitants who cannot afford the luxury of a fire, and seldom vary the amount of their clothing, suffer severely from the cold.

From the 15th of March on the weather changes, and it gradually becomes hotter until the rains; the maximum temperature recorded in the ten years ending 1908, varied from 112° F to 116° F in the shade, the hottest months of the year being May and June, during the four hot months a very hot dry wind, known locally as the "Loo" blows incessantly, and with varying intensity, ceasing about 2 a.m., but occasionally persisting throughout the entire night. This wind is of the greatest service in working the *khaskhas* tatties, by which living rooms are at this season kept cool. Dust "devils" and sand-storms are frequent and often very violent.

Shahpura is not supplied with an anemometer or wind vane.

The rains which do not usually break in Shahpura until the 1st, 2nd or 3rd week in July, have during the period 1899 to 1908, only once set in, in the month of June; the monsoon composed as it is, partly of the Arabian and partly of the Himalayan currents, is slight and variable, being mostly in the form of local thunder-storms.

The average rainfall is 25 inches, anything less than this is greatly felt by the cultivators, owing to the lack of irrigation facilities.

During the rains, the temperature falls somewhat, but the air is charged with moisture, and at times in the absence of any breeze, it is very disagreeable.

The month of October is still unpleasantly warm for a European.

Light rains usually fall in December or January, and are of considerable service to the Rabi crops.

TABLE I.  
*Rainfall in Shahpura Chiefship since 1890.*

YEAR.				Inches.	REMARKS.
1890	...	...	...	15.57	
1891	...	...	...	16.10	
1892	...	...	...	44.13	
1893	...	...	...	37.08	
1894	...	...	...	32.10	
1895	...	...	...	10.47	
1896	...	...	...	29.00	
1897	...	...	...	27.66	
1898	...	...	...	18.96	
1899	...	...	..	13.14	
1900	...	...	...	32.38	
1901	...	...	...	15.11	
1902	...	...	...	15.48	
1903	...	...	...	20.52	
1904	...	...	...	18.33	
1905	...	...	...	7.76	
1906	...	...	...	31.09	
1907	...	...	...	33.60	
Total				418.48	Average for these 18 years 23.24 inches.

#### IV.—WATER SUPPLY.

(a) Wells.

The water supply is derived entirely from surface wells and tanks.

The wells contain mostly a free supply of water, more or less hard and brackish, but used by the population as their only supply of drinking water.

Well water is also very generally used throughout the Chiefship for watering wheat, barley and cotton and other Rabi crops; as one travels through the country, numerous are the green and prosperous oases in the surrounding sandy plain.

The water level in the wells in and around Shahpura was in May 1908, 18 to 39 ft. below the surface.

TABLE II.

*Table II showing the Depths of the Six Principal Wells in Shahpura.*

			Depth of water in the wells in May 1908.	Depth of water level below surface in May 1908.	Depth of water in wells after rains, 1908.
1	Bhatyaniji-ki-Bawri	... ..	55 feet.	37 feet.	67 feet.
2	Jamun-ki-Kui	... ..	15 "	34 "	42 "
3	Chinna Bawri	... ..	105 "	18 "	109 "
4	Kishore-ki-Kui	... ..	17 "	39 "	34 "
5	Selavat-ki-Kui*	... ..	18 "	23 "	32 "
6	Khari-ka-Kuwan	... ..	32 "	32 "	44 "

\* The water supply for the Raj Dispensary is drawn from this well.

TABLE III.

*Analysis of Water—Six Wells in Shahpura.*

	Bhatyanji ki Bawri.	Jamun ki Kui	Chinna Bawri.	Kishore ki Kui	Selavat* ki Kui.	Khari ka Kuwan.
	1	2	3	4	5	6
1. Colour ... ..	Faint yellow.	Faint yellow.	Greenish yellow.	Faint yellow.	Faint yellow.	Distinct yellow.
2. Smell ... ..	Nil	Nil	Nil	Distinct H. 2 S. Nil	Faint.	Faint.
3. Re-action - - -	Nil	Nil	Nil	Nil	Nil	Nil
4. Residue left on evaporation .	Slight white. No charring.	Same as 1.	Large Re- sidue white. No charring	Large residue No charring.	Same as 1.	Same as 1.
5. Free N. H. 3 ..	Nil	Nil	Very distinct	Very distinct	Nil	Nil
6. Chlorides ... ..	Equivalent of 6 gra. No charring to the gallon.	14 gra. per gallon.	18 gra. per gallon.	7 gra. per gallon.	8 gra. per gallon.	More than 20 gra. per gallon.
7. Nitrites ... ..	Distinct. Trace.	Trace.	Distinct. Trace.	Distinct. Trace.	Trace.	Distinct. Trace.
8. Nitrates ... ..	Absent.	Absent.	Absent.	Absent.	Absent.	Absent.
9. Hardness, temporary	5°	2°	7°	2°	5°	5°
10. Total Hardness ...	11°	6°	11°	4°	11°	11°
11. Metals ... ..	Nil	Nil	Nil	Nil	Nil	Nil
12. Oxygen, absorbed ...	9 gra. per gallon.	2 gra. per gallon.	1.3 gra. per gallon.	8 gra. per gallon.	8 gra. per gallon.	1.0 ra. per gallon.

\* The water supply for the Raj Dispensary is drawn from this well.

All six wells showed scanty sediment, consisting of vegetable debris, clay and paramaecia III and IV should not be considered potable waters although used by the people as a water supply; the other wells supply fairly good water.

(b) *Artificial Tanks*.—Agriculture is, however, very largely dependent on irrigation from artificial lakes or “tanks” of which there are 38 in the Chiefship.

The large Bund at Bhimpura, which was completed in May 1908, at a cost of about Rs. 4,50,000 was breached by the torrential rains of June and July of that year; from end to end it measures  $2\frac{1}{2}$  miles, and when full, the area of water is calculated at 5 square miles; it will irrigate more than 15,000 bigahs of land, and will be an incalculable boon to the cultivators of the district.

## V.—VITAL STATISTICS AND ETHNOLOGY.

(a) *Population*.—The population of the Chiefship at the Census of 1901, was 42,676. Out of which number, 15,372 inhabited the small hamlets scattered through the State, and 8,974 were in the Capital.

The distribution of the remaining population may be seen from the following table:—

TABLE IV.

Villages.	With under 500 Inhabitants.	From 500 to 1,000.	From 1 000 to 2,000.	From 2,000 to 5,000.
Number of villages .. ..	111	15	5	1
With a population of ... ..	15,372	9,728	6,248	2,354

(b) *Birth and Death rates*.—The Birth and Death records are kept by the Police of Shahpura town and are tolerably reliable.

TABLE V.

*Statement showing Birth and Death rates of the Shahpura Town for five years 1902 to 1906.*

Year	Total No of Births in the year.	Percentage of Births per 1,000 of popu- lation.	Total No of Deaths in the year.	Percentage of Deaths per 1,000 of popu- lation.	REMARKS.
1902	188	23.5	113	14.125	The high percentage of deaths in the years 1904 and 1906 was due to Plague.
1903	126	15.75	107	13.375	
1904	152	19.00	533	66.625	
1905	18	2.25	203	25.375	
1906	16	2.00	254	31.75	

Year.	Burials.				Deaths.										Rates per 1,000 of population.
	Male.	Female.	Total.	Rates per 1,000 of population.	Cholera.	Small pox.	Plague.	Fever.	Dysentery and Diarrhea.	Respiratory Diseases.	Injuries.	Snake Bites.	All others.	Total.	
1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1883	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1884	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1885	...	...	...	...	61	...	...	...	...	...	...	...	1,271	1,332	...
1886	930	825	1,755	34	...	190	...	...	395	...	...	3	285	873	17
1887	1,031	956	1,987	35	3	61	...	...	492	...	...	4	545	1,107	21
1888	1,027	940	1,967	38	...	81	...	...	512	...	...	10	521	1,126	9
1889	935	801	1,736	33.51	...	141	...	...	815	...	1	8	671	1,636	31.61
1890	990	881	1,870	36.33	277	6	...	...	1,098	...	...	5	313	1,699	32.83
1891	502	513	1,015	15.04	...	52	...	88	550	...	9	6	125	800	12.57
1892	813	764	1,577	24.78	162	590	...	322	1,399	...	2	2	460	2,937	46.16
1893	507	425	932	14.00	...	...	...	...	500	...	38	1	139	678	10.65
1894	461	364	825	13.96	...	...	...	46	358	...	2	5	126	537	8.41
1895	814	689	1,503	24.60	22	187	...	87	801	...	2	10	119	1,291	20.28
1896	600	605	1,205	25.04	...	352	...	...	1,030	...	1	3	19	1,414	22.22
1897	569	584	1,153	19.67	...	...	...	...	846	...	...	6	6	858	13.48
1898	561	432	993	15.60	...	28	...	225	427	...	...	7	23	719	11.15
1899	628	541	1,169	18.37	...	296	...	166	440	...	7	10	137	1,056	16.59
1900	408	420	828	11.42	563	38	...	2,848	6,420	...	...	3	100	9,972	157.13
1901	1,094	1,064	2,158	50.67	...	...	...	630	1,650	160	...	4	12	2,405	56.35
1902	833	697	1,530	35.85	...	...	...	338	214	50	...	3	17	624	14.62
1903	555	482	1,037	24.30	...	...	...	282	162	65	4	11	88	612	14.34
1904	629	513	1,142	26.76	1	10	904	219	73	64	4	2	114	1,391	32.59
1905	277	251	528	12.37	...	67	246	157	110	73	4	5	210	872	20.43
1906	231	165	396	9.23	5	61	...	122	...	201	5	4	128	626	12.32
1907	238	208	446	10.15	...	72	38	149	...	...	2	...	89	350	8.20
Total	15,100	13,211	50,120	22.75	1,094	2,202	1,188	6,795	18,364	553	96	112	5,518	34,806	25.03

(c) *Caste and Classes*.—The tribes and castes found in Shahpura are numerous: the accompanying table, taken from the Census Report of 1901, shows the Hindu community to be composed of no less than 17 separate and distinct castes; of these, the Ram Sanehi Sadhus alone will be mentioned here. The founder of this sect was Ram Charan Das, who flourished about the middle of the 18th Century; he led a holy and devoted life and preached the identity of the Soul and God; he denounced idolatry and the caste system and advocated a celibate life of devotion. High motives, however, seem now to have disappeared and his followers apparently observe no religious tenets of any sort, beyond the constant repetition of the word *Ram Ram*.

This sect is not composed of any special caste but recruits its devotees from all the various Hindu classes; the monastery of the sect is the Ramdwara Temple at Shahpura where the chief priest or mahant lives; at the annual *Mela* of the Phool Dol which takes place in the month of March, infants are dedicated to this monastery and are received into the Sadhu religion; adults of all castes and classes are also admitted and thereby forego all claims to house and property and become mendicants; the devotees then take up their residence at the Shahpura monastery, or at one of the branch houses, belonging to the sect, or wander as religious beggars through the country.

The Kaim Khanis were originally Rajputs but became converts to Mahommedanism during the reign of Mohammedan Emperors.

[TABLE.]

TABLE VII.

V. Table VII.—Showing the tribes and castes found in the Chiefship, according to the Census of 1901.

Hindus	Balais	...	...	...	...	...	1,056	
	Banias	...	...	...	...	...	3,389	
	Bhils	...	...	...	...	...	1,360	
	Brahmins	...	...	...	...	...	3,830	
	Chahar	...	...	...	...	...	1,378	
	Shamar	...	...	...	...	...	3,001	
	Gewari	...	...	...	...	...	1,061	
	Gujar	...	...	...	...	...	3,591	
	Jat	...	...	...	...	...	3,451	
	Khati	...	...	...	...	...	796	
	Kunbhar	...	...	...	...	...	2,023	
	Mali	...	...	...	...	...	1,853	
	Menas	...	...	...	...	...	663	
	Nai	...	...	...	...	...	766	
	Raijar	...	...	...	...	...	1,252	
	Rajput	...	...	...	...	...	1,595	
	Sadh Sadhu Ramsanchi	...	...	...	...	...	1,304	
	Others	...	...	...	...	...	6,172	
	Total number of Hindus						...	38,541
Mohammedans.	Shaikh	...	...	...	...	...	942	
	Saiyad	...	...	...	...	...	107	
	Mughal	...	...	...	...	...	37	
	Pathan	...	...	...	...	...	365	
	Deswali	...	...	...	...	...	22	
	Kaim Khani	...	...	...	...	...	500	
	Chipa	...	...	...	...	...	7	
	Mewati	...	...	...	...	...	13	
	Rao	...	...	...	...	...	7	
	Others	...	...	...	...	...	520	
	Total number of Mohommedans						...	2,520
	Jains	...	...	...	...	...	...	1,543
	Aryas	...	...	...	...	...	...	70
	Parsis *	...	...	...	...	...	...	1
	Jews *	...	...	...	...	...	...	1
	Total population						...	42,676

\* In 1903 there were no Jews or Parsis in the Chiefship.

(d) *Education*.—The people are for the most part illiterate, there being 40,423 persons unable to read or write any language. In Shahpura town there are three schools, two for boys, and one for girls; to enable the sons of Jagirdars, Thakurs and others not living at Shahpura to attend the Schools at that town, a boarding-house was built by the mother of Rajadhiraja Nahar Singh and was named after her the “Karam Soth” Boarding-house.

Schools for boys also exist at Dikola, Phulia, Sangaria and Kothian.

The languages spoken are Mewari, and Rajastani, a few of the more educated people knowing Urdu and Hindi. In 1901, only 10 persons could read and write English.

#### IV.—ECONOMICS.

(a) *Agriculture*.—The preparation of the land for both Kharif and Rabi crops is practically identical; during the two months which precede the sowings, the earth is ploughed up once or twice, with the common Kulli; the Kharif crops are not sown until the 2nd or 3rd fall of rain, and until the ground has once more been turned by the plough.

Light weeding is required during the growth of the crops, and from the time the first sprouts make their appearance until the harvest, the crops have to be watched night and day to preserve them from the inroads of the wild boar, black buck, chinkara, squirrels and the numerous birds, which abound in Shahpura.

Occasionally locusts visit the Chiefship and cause great destruction to the crops.

The principal crops are

A —Kharif or Rain crops.

- |             |                     |
|-------------|---------------------|
| 1. Jowari.  | 11. Hemp.           |
| 2. Maize.   | 12. Sugar-cane.     |
| 3. Koluth.  | 13. Til oil-seed.   |
| 4. Kola.    | 14. Cotton.         |
| 5. Berti.   | 15. Bajra.          |
| 6. Kodu.    | 16. Al (colour).    |
| 7. Urid.    | 17. Indigo ( , , ). |
| 8. Chowula. | 18. Rice.           |
| 9. Moth.    | 19. Tobacco.        |
| 10. Mung.   |                     |

and B.—The Rabi or cold weather crops.

- |              |                     |
|--------------|---------------------|
| 1. Barley.   | 6. Capsicum.        |
| 2. Wheat.    | 7. Masur.           |
| 3. Opium.    | 8. Kasum (colour).  |
| 4. Gram.     | 9. Flax (oil seed). |
| 5. Arhar Tur | 10. Mustard.        |

(b) *Trades*.—The needs of the people of Shahpura are small, and there are thus few trades worthy of mention beyond the ordinary occupations of Indian villagers.

In the year 1700 A.D., a family of dyers came and settled in Shahpura town and since have carried on a thriving trade amongst the local people. The dyes are Indigo, Kasum and Al.

About half a Century ago a native of Japan took up his abode in Shahpura and introduced a Japanese Lacquer work, for which Shahpura was for a period famous; since the death of the introducer of this "Japani Kam" the art has become extinct. The Lohars turn out knives, swords and other iron implements of a simple description from imported steel and iron; their work is, however, only rough and is of no special value.

A curious industry which is seen in Shahpura is the making of Bangles, known by the natives as "Churies;" they are made from cocoanut shells which are shaped and turned in a lathe.

Cotton weaving is only done on a small scale by the Balaies, Kolies, and Julahas: hand looms are used; a coarse kind of cloth called Raza is made and is in great request; printing on this coarse fabric is also undertaken to a certain extent in the Capital.

Bricks, tiles, and gurrals for local use are also made. There is one cotton press and ginning factory at Shahpura where cotton for export to Bombay is pressed.

(c) *Minerals*.—At Chainpura in the Kachola Parganah, iron ore is to be found in a hillock; it appears that in the past, iron ore was worked at this place but of recent years none has been extracted.

In the Phulia Parganah large quantities of garnets are to be found; they are worked to a certain extent; the value of the output in 1907 was over Rs. 9,700.

Traces of mica exist but no serious effort has been made to exploit this mineral, which would probably be found in veins quite as rich as those near by in Ajmer-Merwara territory.

(d) *Fuel and Fodder*.—The trees chiefly used for firewood are the babool, dhak, khejra, indokra, and khair, these are cut in the neighbouring Birs or are brought from the scattered hills of the Kachola Parganah.

Dried cowdung is used extensively by the poor people as fuel. The streets are not lighted in Shahpura. The oil of Til (Gongolu) and cheap imported Kerosine oil are burned by the people in their lamps.

*Fodder*.—There are in the Chiefship four large grass Birs at Lasaria, Karamrawas, Kanechan, and at Dhani; from these a plentiful supply of grass is obtained. Large and numerous grass stacks have been erected at Shahpura and in the event of scarcity or famine, the cattle of the Parganah could be kept for over a year on the accumulations of grass.

## VII--BOTANICAL.

Shahpura shares with the rest of the plains of Rajputana a great floral poverty ; there is no jungle properly so called, and the plain is scantily supplied with trees and shrubs.

The larger trees are mostly to be found near tanks and wells and along the river banks.

The accompanying Table VIII give the trees and shrubs indiginous to the Chiefship and other common trees and plants which have been introduced from other parts of India : in Column 5 will be found the use to which the natives put the various trees and shrubs.

TABLE VIII.

*Trees, Shrubs, etc., Indigenous to the Chiefship.*

No.	Native Name.	English Name.	Botanical Name.	Remarks. Action, Uses, etc.
1	Neem	Margosa tree	Melia Azadirachta	Timber; leaves alterative and tonic.
2	Gula	.....	Sterculia Urens	Fruit edible. "Katira" gum used medicinally. In times of scarcity, bark is used as fodder, and when ground down is mixed with flour.
3	Babul (Kikar or Babla)	.....	Acacia Arabica	Fuel and Timber. Bark used in hyde dying. Pods and leaves eaten by sheep, goats, camels, etc.
4	Khair	.....	" Catechu	Fuel. Sap yields catechu of commerce.
5	Lesura	.....	Cardia Myxa...	Timber; fruit edible.
6	Kachnar	Geranium tree	Bauhinia Porpurea	Bark astringent used in dying; leaves made into country cigarettes. Leaves and flowers eaten as vegetable.
7	Dhak (palas)	Flame of the forest	Butia Frondosa	Fuel. Seeds anthelmintic and astringent, and used for Ringworm; flowers also used medicinally. Red dye from seeds, yellow from flowers. Bark yields astringent gum, leaves used as fodder in scarcity.
8	Imli (amli)	Tamarind	Tamarindus Indicus	Good timber, fruit edible and used medicinally.
9	Khajur	Wild Palm	Phoenix Sylvestris	Trunks used as beams, leaves used in mat, broom and basket making. The juice "Tari" is extracted from the trunk.
10	Gondni	Sebastian	Cordia Rothii	Timber and fuel; fruit gummy and edible, used in stomatitis.
11	Dhakra, Dhow or Dhowra	.....	Conscapus Latifolius	Timber and fuel, makes good charcoal, and yields superior gum arabic.
12	Khejra	.....	Acacia Lenosphæa	Used as fuel and in making agricultural implements, young pods eaten as vegetable.

TABLE VIII—(continued).

## Trees, Shrubs, etc., Indigenous to the Chiefship

No.	Native Name.	English Name.	Botanical Name	Remarks, Action, Uses, etc.
13	Khomta ...	.....	Acacia Rupestris ...	Wood used in making shuttles. Gum used medicinally.
14	Orieng ...	.....	.....	.....
15	Borri ...	.....	.....	.....
16	Indokra ...	.....	Zizyphus ...	Fuel, bark used in tanning, leaves and young shoots fodder for goats.
17	Jal ...	.....	Salvadora Persica ...	Fruit edible, bitter and aromatic, said to increase flow of milk in Buffaloes. Leaves are a favourite fodder.
18	Chambeli ...	Bastard Cork tree ...	.....	.....
19	Mahwa ...	.....	Bassia Latifolia ...	Liquor is distilled from mahwa.
20	Signa ...	Horse Radish tree ...	Morugu Pterigosperma ...	Fruit, flowers and leaves eaten as vegetables; leaves fodder, gum, and roots used medicinally.
21	Asapola (asaphula)...	.....	Polyalthia Longifolia ...	.....
22	Sancla ...	.....	.....	.....
23	Beela ...	Bael ...	Aegle Marmelos ...	Timber. Twigs and leaves fodder. Fruit used medicinally for Diarrhoea and Dysentery and leaves offered in Hindoo Temples. Snuff boxes are made from shell of fruit.
24	Burna ...	.....	Crataeva Religiosa ...	Crushed leaves used as poultice in Guineaworm.
25	Baknin ...	.....	.....	Leaves and pulp used medicinally.

26	Raish	...	.....	.....		
27	Hingota	...	.....	Balanites Roxburghii	...	Fuel, seed used in silk cleaving. Woodash, seed, bark and leaves used medicinally. Hard kernel of fruit used in Fireworks.
28	Kanta Sciree	...	.....	Bombax Malabaricum	...	
29	Trans	...	.....	.....		Used medicinally.
30	Khair (kareer)	...	.....	Capparis Aphylla	...	Fuel, fruit edible.
31	Kataria	...	.....	" Sepiaria	...	Fruit poisonous.
32	Beri, Jhur	...	.....	Zizyphus Namularia	...	Used for Hedging.
33	Jhao	...	.....	Tamarix Gallica	...	From the Sakoon (galls) black pigment is extracted.
34	Akra (madar)	...	.....	Calotropis Procera	...	Bark used in Dysentery, said to be tonic, alterative and emetic. Leaves and juice used as counter-irritants
35	Satijanasi	...	.....	Argemone Mexicana	...	Oil from seeds used in Rheumatism.
36	Nagphani	...	.....	Opuntia Vulgaris	...	Fruit edible. Useful Hedging.
37	Bans	...	.....	Bambusa		
38	Malkangni or Malkangi	...	.....	Celastrus Paniculatus	...	Oil nutritive. Flowers yield yellow dye.
39	Thur...	...	.....	Euphorbia Royleana	...	For Hedging.
40	Dhatura	...	.....	Datura...	...	Used medicinally.
41	Gorak moondee	...	.....	Sphaeranthus Molle	...	Said to be a nervine tonic.
42	Bhangra	...	.....	Eclipta Prostrata	...	Drastic Purgative, juice used in tatooing.

TABLE VIII. (continued).

Trees, Shrubs, etc., Indigenous to the Chiefship.

No.	Native Name.	English Name.	Botanical Name.	Remarks. Action, Uses, etc.
43	Guvar Patta ...	.....	Gunphalum Religiosum ...	Used as poultice for Boils.
44	Dudhi ...	.....	Sonchus Arvensis ...	Juice reputed lung Hæmostatic.
45	Pasar Khejri ...	.....	Prosopis Spicifera ...	Good fuel and charcoal, fruit edible.
46	Alie ...	.....		
47	Imirti ...	.....	Celosia Argentea ...	Leaves as vegetables.
48	Nawan ...			
49	Dakni Gokhroo ...	.....	.....	Aromatic and diuretic.
50	Churpoton ...			
51	Sinkaboli ...			
52	Andhijhora ...			
53	Khaip ...	.....	Crotalaria Burhia ...	Cattle fodder. Fibre used.
54	Oont Katala ...	.....	Argemone Mexicana ...	Camel fodder. Juice used in eye affections
55	Bol ...			

56	Bapholi	...	...	...	...	A few specimens are found.
57	Asok	...	.....	.....	.....	Seed used medicinally.
58	Karang	...	.....	.....	.....	Used medicinally.
59	Sandua	...	.....	.....	.....	
Trees, Shrubs, and plants introduced from other parts of India.						
60	Amla	...	Myrabolan	...	Phyllanthus Emblica	Timber. Fruit edible.
61	Pipal	...	.....	.....	Ficus Religiosa	Sacred fuel. Timber yields lac.
62	Bar, Bargel	...	Banyan	...	" Indica	Milk reputed tonic. Fuel, inferior timber.
63	Gular	...	Indian Fig	...	" Glomerata	Fuel. Fruit edible.
64	Anjeer	...	Fig tree	...	" Carica	Edible fig, in gardens only.
65	Am	...	Mango	...	Mangifera Indica	Fuel, poor timber, fruit edible.
66	Ber (bar)	...	.....	.....	Zyziphus Jujuba	Leaves used as fodder, wood takes good polish.
67	Siris	...	Common Siris	...	Albizia Lebbek	Fuel.
68	Siris	...	.....	.....	" Odoratissima	Fuel, flowers very sweet scented.
69	Jaman	...	Jambul tree	...	Syzygium Jambolanum	Good timber. Fruit edible, juice believed digestive and ante-diabetic.
70	Menhdi	...	Henna Shrub	...	Lawsonia Alba	Leaves give red dye.
71	Anar (dalim)	...	Pomegranate	...	Punica Granatum	Rind gives yellow dye, fruit edible.

TABLE VIII. (concluded).

Trees, Shrubs etc., introduced from other parts of India.

No.	Native Name.	English Name.	Botanical Name.	Remarks, Action, Uses, etc.
72	{Maulsari and Bakool} {Baulsari or Buchool}	.....	Minussops Elengi . . .	Hard close grained wood, takes good polish, flowers fragrant fruit edible.
73	Arusa (maharuk)	....	Ailanthus Excelsa . . .	Fine timber.
74	Jam, Jamphul, Aaurut.	Guava . . .	Prunum Guava . . .	Fruit edible.
75	Kaner . . .	Oleander . . .	Nerum Odorum . . .	Found in gardens only
76	Mogra . . .	.....	Jasminum Sambai . . .	" " Dwarf shrub.
77	Chambeli . . .	Jasmine . . .	" Humile . . .	" "
78	Neewara . . .	.....	" Arboreseens . . .	" "
79	Amaltus . . .	Indian Laburnum . . .	Cassia Fistula . . .	Pulp of pods Laxative.
80	Sissoo, Shisu . . .	Shisham . . .	Dalbergia Sisso . . .	Timber.
81	Arund . . .	Castor oil plant . . .	Ricinus Communis.	

## VIII.—SANITATION.

The streets and roads of Shahpura are mostly narrow, crooked and uneven, and the main street is the only metalled road in the town. There has hitherto been no attempt to drain away the surface water of the town and the main street leading to the Palace, lying on a slightly lower level than the surrounding mohallas becomes in the rains a roaring nullah; water thence flows freely into the moat and other low lying parts outside the town wall, and lying stagnant there for many months, forms a fertile breeding place for mo-QUITOS; the water of the moat is used to some extent for irrigation purposes but it does not run dry till February or March. During the rains and the fever season which follows, pools of water are to be found all over the town.

Three public latrines and 28 urinals are scattered over the town and all refuse is removed in carts to a distance of about half a mile from the walls. The Conservancy Staff consists of one Jemadar, two Sepoys, one Cart Driver, two Bhistees and twelve Sweepers.

Certain private houses are supplied with latrines but the primitive conservancy system of the Indian Native village is still in vogue with the majority of the population.

The Hindu crematorium and the cemetery are outside the walls, about half a mile distant.

## IX - JAIL

Until the year 1872, Shahpura possessed no Jail, but in that year when the Courts were opened, the present Jail was built; it is situated in the Palace compound and can accommodate 24 prisoners; the total area of the compound is 12,876 square feet and the cubic capacity of the barracks is 15,560 cubic feet; there are six male wards and one female, a new lock-up was provided in 1908 for juveniles in the Topkhana opposite the Jail.

The daily average of inmates for the last five years has been 21; the daily average of patients under treatment during the same period was 162. No epidemics have visited the Jail; the most common complaints from which the prisoners suffer from fever, diarrhoea and dyspepsia.

One Sweeper is found sufficient to keep the Jail and its dry earth latrine clean.

Rope and dhurry making and newar weaving are the industries carried on by the prisoners, who also grind corn and cook their own food.

The diet of the prisoners is liberal.

Morning, barley bread	...	11	Chitaks
Evening, Do. do.	...	10	"
Once a day, Dal	..	1 $\frac{3}{4}$	"
" " fresh vegetables...		2	"

There is no garden attached to this prison, but vegetables are supplied from the Bazar or from the Raj Garden. This is the only Jail in the Chiefship.

## X.—MEDICAL.

(a) *Medical Institutions*.—Previous to the year 1872, there was no Hospital or Dispensary in the Chiefship and the sick were treated by the Native Hakims.

The Raj Dispensary, which is the only Medical institution in the State, was opened in the year 1872, and a qualified Hospital Assistant was put in charge; a very useful work has been carried on amongst these very uneducated people, many of whom are, unfortunately, still greatly prejudiced against European methods of treatment.

Table IX and X show the diseases treated in this Dispensary during the last twenty-five years.

The Raj Dispensary compound is situated in the South-East quarter of the town, and is closely shut in by houses and high walls. There are four wards which can accommodate 20 In-patients; there are in addition to these, three rooms, *i.e.*, the Dispensary, the consulting room, where operations are also performed, and the Out-patient room.

There is a good verandah in front of the building, where the patients sit while waiting for treatment.

The Hospital Establishment consists of one Hospital Assistant with the following staff of servants :—

One Compounder.	One Vaccinator.
One Dresser.	One Bhistee.
One Cook.	One Sweeper.

There is room for improvement in the Dispensary and the Surgical Equipment is as yet scanty, but it is suited to the present needs of Shah-pura. At present, cases requiring the performance of major operations are, when possible, sent to Deoli and are treated there in the Charitable Dispensary.

The Budget Allotment for the Hospital Establishment, medicines and contingencies for the year 1907-08 was Rs. 2,480, British coin, and the actual expenditure for the previous year was = Rs. 2,100.

TABLE IX.

*Showing the Diseases of the In-door and Out-door Patients treated in the Raj  
Dispensary, Shahpura, for the Years 1885 to 1907.*

TABLE

*Showing the Diseases of the In-door and Out-door Patients treated in*

Year.	GENERAL DISEASES.																LOCAL				
	Small-pox.	Plague.	Cholera.	Dysentery.	Malarial Fevers.	Tubercular diseases.	Leprosy.	Syphilis Primary. Secondary.	Gonorrhoea.	Worms.	Scurvy.	Rheumatic affection.	Carcinoma.	Sarcoma.	Anæmia and Debility.	All other General diseases.	Diseases of the Nervous System.	Disease of the Eye.	Disease of the Ear.	Disease of the Nose.	Disease of the circulatory System.
1	2	3	4	5	6	7	8	9	10	11	12	13	14a	14b	15	16	17	18	19	20	21
1883	...	...	48	10	155	...	2	91	50	11	2	184	...	...	21	78	...	548	125	...	...
1884	71	.	...	18	201	...	5	70	52	48	4	166	...	...	30	11	...	510	184	...	1
1885	7		78	20	249	...	3	66	47	87	...	192	...	...	41	6	...	787	190	...	...
1886				52	324	...	6	79	47	107	6	207	...	...	64	50	...	850	284	...	...
1887	..		8	33	292	...	2	73	24	52	...	160		...	77	4	...	768	286	...	1
1888	10			43	258		10	72	42	34	..	209	...	...	60	3	125	855	248	29	...
1889	4			46	641	1	9	64	54	48		221	...	..	9	1	101	820	323	19	...
1890			409	52	605	7	2	58	61	24	1	269			...	3	35	1,011	344	18	1
1891				63	888	13	5	72	97	35		289			...	11	71	1,213	411	19	1
1892	7		209	112	1,588	1	1	61	57	33	..	391	..	..	...	6	63	953	420	19	..
1893				45	1,131	.	2	81	80	48	2	299	..		62	1	188	1,296	315	47	111
1894	...			10	1,503	..	14	264	132	48	3	248	..	..	285	404	364	1,998	726	19	81
1895			32	156	2,111	...	17	306	166	80	.	502	..	...	305	422	639	2,435	707	15	135
1896				118	2,003	...	26	202	92	73		400	...	...	270	476	620	2,190	626	136	259
1897	..			104	2,554		1	364	133	95	1	372	..	...	321	377	682	1,990	545	178	263
1898				131	1,805	.	3	291	236	65	21	333	...	.	374	252	674	2,065	534	110	249
1899				258	1,552	31	1	523	296	76	40	519	...	..	472	242	801	2,157	508	115	282
1900			604	663	5,082		4	863	369	120	30	478	...	...	603	226	616	1,221	422	148	426
1901				427	3,527	3	1	737	302	65	71	446	...	..	387	306	868	1,424	623	140	214
1902				132	2,631	3		208	246	2	13	667	..	...	130	6	303	2,082	548	167	7
1903				85	2,652	1		101	91	2	5	514	...	...	43	2	262	2,198	394	104	1
1904	..		1	31	1,527	.	1	53	28	2	12	309	...	...	29	8	151	1,886	351	80	...
1905	..		...	54	1,163	.		45	31	1	27	298	..	...	55	1	195	1,915	394	67	1
1906	..		1	56	1,789	1	..	67	28	...	16	381	...	...	51	...	158	2,399	512	60	1
1907	.			21	1,205	1		64	18	.	.	310	..	.	45	...	127	1,990	375	45	..
Total	99	...	1,399	2,649	37,143	62	115	4,881	2,770	1,156	254	8,274	...	...	3,734	2,892	7,048	37,561	1,0625	1,547	2,065

## IX.

the Raj Dispensary, Shahpur, for the Years 1883 to 1907.

DISEASES.																				
Disease of the Respiratory System other than tubercle of lung.	Dyspepsia.	Diarrhea.	Disease of the Liver.	Other disease of the Digestive System.	Disease of the Spleen.	Disease of the Sympathic System.	Gout.	Disease of the Urinary System.	Soft chancre.	Venerel disease other than those in Group A.	Other disease of Genetiv System.	Diseases of the organ of Locomotion.	Diseases of the connective Tissue.	Ulcers.	Other diseases of the Skin.	All other Local diseases.	Injuries. } General.	Poisons.	Total.	
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
145	...	48	3	...	24	...	.	...	..	..	.	..	375	578	371	757	158	23	3,507	
181	...	74	3	...	19	...	.	.	..	...	...	..	376	468	360	730	139	25	3,746	
203	...	101	13	..	20	.	.	.	.	.	2	..	333	541	438	855	154	33	4,466	
278	...	67	12	.	31	.	4	.	.	..	1	.	332	737	439	906	196	24	5,103	
142	..	129	25	..	28	.	3	.	.	...	2	.	128	617	317	755	218	20	4,224	
155	136	83	17	610	29	.	1	7	...	..	9	167	5	858	307	.	225	33	4,649	
412	145	73	13	700	36	.	3	2	.	.	5	115	1	881	362	.	192	35	5,363	
422	314	120	17	619	42	.	..	3	.	53	7	171	1	1,049	375	.	280	49	6,450	
478	274	211	15	737	69	.	.	7	.	84	9	249	1	1,131	490	.	290	42	7,266	
451	422	371	15	579	69	...	4	8	.	81	8	122	4	1,087	319	.	295	50	7,716	
360	236	107	21	436	59	4	.	8	..	28	6	81	111	659	464	.	555	51	6,957	
510	137	118	52	359	55	63	1	10	.	1	5	80	104	1,743	1,316	.	1,186	16	12,054	
854	160	185	34	270	94	70	.	57	.	3	115	112	556	1,447	1,563	.	1,247	29	14,523	
536	260	214	66	375	47	210	.	188	.	.	126	170	444	1,374	1,448	.	1,093	20	14,062	
573	407	331	65	579	60	139	4	226	.	.	176	233	370	1,775	1,617	71	1,189	30	15,891	
687	312	216	61	404	81	124	6	178	25	.	182	101	412	1,817	1,542	218	1,135	28	14,792	
718	311	392	103	562	62	155	.	211	40	.	115	283	393	1,735	1,271	201	1,125	44	15,721	
691	401	1,107	101	592	95	196	.	303	20	.	231	400	433	1,701	911	297	1,020	16	20,336	
860	389	243	149	646	255	169	1	235	7	.	249	436	249	1,613	1,414	249	960	14	17,693	
1,211	243	417	88	1,823	270	89	.	27	57	.	161	11	687	1,288	1,104	6	222	10	14,910	
835	4	258	45	1,588	1	39	.	18	37	.	69	6	363	1,017	1,338	18	136	30	12,459	
405	19	111	6	994	1	27	.	13	7	.	37	5	215	658	717	6	157	8	7,846	
417	21	190	17	1,079	..	35	.	12	8	.	10	3	254	476	965	6	132	9	7,840	
570	15	271	8	1,201	...	58	1	14	.	...	22	4	269	510	1,258	12	93	8	9,856	
461	40	135	23	957	..	31	..	4	1	.	35	1	219	437	1,078	2	44	3	7,672	
12,544	4,343	5,725	958	14,900	1,138	1,409	28	1,531	202	250	1,700	2,840	6,935	26,266	21,852	5,119	12,411	656	2,45,764	

TABLE X.

*Total number of In-door and Out-door Patients treated for the Years 1883 to 1907, and yearly Expenditure.*

YEAR.	IN-PATIENTS.		OUT-PATIENTS.		Expenditure during the year.
	Total number treated during the year.	Daily average number treated during the year.	Total number treated during the year	Daily average number treated during the year.	
					Rs.
1883	163	7.01	3,644	67.57	1,364
1884	181	7.41	3,565	68.72	1,076
1885	177	6.10	4,289	75.78	1,278
1886	199	5.73	4,904	60.59	1,227
1887	135	3.91	4,089	55.96	1,236
1888	211	6.37	4,429	56.20	1,124
1889	173	5.25	5,193	62.07	1,355
1890	168	4.67	6,282	73.59	1,561
1891	204	5.52	7,062	86.96	1,499
1892	278	6.42	7,438	92.49	1,594
1893	71	2.75	6,886	80.44	1,137
1894	69	3.35	11,985	66.80	1,067
1895	77	3.86	14,751	80.33	1,048
1896	64	3.28	13,998	70.62	1,472
1897	97	5.01	15,794	72.97	1,168
1898	87	5.18	14,705	65.49	1,113
1899	131	7.79	15,589	67.16	1,831
1900	433	21.63	19,897	79.47	1,930
1901	92	7.35	17,601	78.40	2,067
1902	125	5.87	14,815	85.59	1,785
1903	85	5.25	12,374	77.65	1,659
1904	31	1.86	7,815	44.57	1,839
1905	23	1.39	7,857	48.44	1,705
1906	31	6.07	9,825	62.60	1,713
1907	18	0.90	7,654	44.31	1,594
Total	3,323	5.59	2,42,441	68.99	36,436

(b) *The Medical and Surgical disorders of Shahpura.*

The commonest diseases treated in this Hospital are :—

*Malarial Fevers.*—Malaria is very prevalent in Shahpura, more especially during the "Fever season," which lasts from September to January; the most common types met with are tertian and quartan fevers, and less frequently quotidian; these fevers always give way to quinine or a combination of quinine and arsenic; occasionally severe irregularly remittent fevers are seen which yield to quinine, and which are, I believe, due to a mixed Malarial infection.

*Venereal Diseases.*—All forms of venereal are commonly met with; a severe type of syphilis is met with, due in all probability to neglect and want of appropriate treatment.

*Chronic Rheumatism.*—This is fairly common amongst those of advancing years.

*Guinea-worm.*—Most usually seen during and after the rains.

*Diseases of the Digestive Organs.*—The commonest disorders of this system are Diarrhœa, Dysentery, Dyspepsia, and congestion of the liver with accompanying piles; Diarrhœa and Dysentery are common during the rains, and the latter disease yields readily to the sulphate treatment.

*Diseases of the Respiratory Organs.*—Pleurisy, Bronchitis and Pneumonia are frequent in the cold season and are due to chills, the result of insufficient clothing. Pneumonia is yearly responsible for many deaths. Asthma is also fairly common.

*Diseases of the Eyes and Ears.*—Conjunctivitis, Iritis, Glaucoma, Cataract and chronic Granular disease of the lids with its consequent Trichiasis, Entropium and Corneal affections are very common.

Besides the usual constitutional diatheses which predispose to eye disease, there are also certain possible climatic factors in the causation of some of these conditions; these are the frequent dust-storms of summer, the great heat and glare, and the hosts of flies which swarm at all seasons, but amount in the rains to a veritable plague.

*Scurvy.*—Cases are met with amongst the poorer classes, especially in years of scarcity.

*Delhi Sore and Sloughing Ulcers.*

*Skin Diseases.*—Ringworm of the Body, Scabies, Herpes, Psoriasis, Urticaria, Favus and Tinea Tonsurans are all common.

Less commonly met with are :—

*Enteric Fever.*—Called by the natives motigera or nikala.

*Tuberculosis.*—Affections of lungs, bones and joints, etc.

*Mycetoma.*—Occasional cases are seen.

*Cerebro-spinal fever.*—In 1902 three cases of this disease were noticed, all of whom recovered.

No cases of malignant disease have been treated at the Dispensary in the last ten years. No cases of stone have come under observation in the last few years; there is no leprosy in the Chiefship but leucoderma is fairly common.

TABLE XI.  
Statement of Plague in Shahpura Chiefship since 1903

YEAR.	Estimated population of the Chiefship.	Name of town or place from which reports of Plague were received.	No. of Cases of Plague reported.	No. of Deaths from Plague reported.	DATE OF		PLAGUE FROM BEGINNING OF OUTBREAK UP TO DATE.		REMARKS.
					First Case.	Last Case.	No. of Cases.	No. of Deaths.	
1903-04 ...	42,676 ...	Shahpura ...	485	371	...	...	485	371	
1904-05 ...	" ...	" ...	1,008	673	1-4-04	...	1,493	1,044	
1905-06 ...	" ...	" ...	120	72	1-4-05	17-5-05	1,613	1,116	
1906-07 ...	" ...	" ...	62	23	...	...	1,675	1,139	
1907-08 ...	" ...	" ...	27	15	1-4-07	3-6-07	1,702	1,154	

## (c). EPIDEMICS.

*Plague.*—There is no record of any Epidemic of Plague in the Chiefship before the year 1904 : in that year one imported case was reported ; the patient came from Bhilwara and was the cause of the severe outbreak of 1904-05, in which 1,607 cases, occurred with 1,115 deaths. Every effort was made during this epidemic to lessen the force and limit the spread of the disease ; 1,313 persons were inoculated with Haffkine's Plague prophylactic ; out of this number 26 were attacked and 12 died. Evacuation, Segregation, and disinfection, were adopted under the supervision of the Agency Surgeon : the thoroughness with which these measures were carried out, was due to the great interest which the Rajadhiraja Sahib took in the matter and to the energy of the Kamdar Sahib.

*Small-pox.*—Every year Small-pox of a more or less mild type visits the Chiefship, but although it never assumes a widespread epidemic form, it yearly claims its list of victims. In 1905, 67 deaths were reported from this disease alone, while in the two following years the figures were 60 and 72 giving an average yearly mortality of 1·47 per 1,000.

Vaccination has unfortunately been unpopular in this district, but it is progressing : the Vaccination statistics can be seen by a reference to Table XIII.

*Cholera.*—The Statistics of the out-breaks of Cholera which have occurred in recent years may be seen from Table XII.

The great famine of 1900-01 was responsible for the cases which occurred in that year, and those of 1906 were in the village of Doulatpura, 5 miles from Shahpura town ; precautionary measures were taken and the disease did not spread.

TABLE XII.

Statement of Cholera in Shahpura Chiefship for the Year 1883 to 1907.

Year.	2	3	4	5	6	7		8		9										
						DATE OF		FROM THE BEGINNING OF OUR BREAK UP TO DATE.												
						Estimated area in square miles.	Name of town or place from which reports of Cholera were received.	Estimated popu- lation of each State.	No. of Cases of Cholera reported.		No. of Deaths reported.	First Case reported.	Last Case reported.	No. of Cases.	No. of Deaths.					
1883	.....	Shahpura ...	51,750	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1884	.....	"	51,750	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1885	.....	"	51,750	205	61	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1886	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	.....	"	"	10	3	7-9-87	20-9-87	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1888	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1890	.....	"	"	820	277	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1891	.....	"	63,464	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1892	.....	"	"	313	162	17-5-92	13-6-92	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1893	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1895	.....	"	"	79	22	6-5-95	26-5-95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1896	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1897	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1898	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1899	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1900	.....	"	"	961	571	23-4-00	8-7-00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1901	.....	"	42,676	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1902	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1903	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1904	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1905	.....	"	"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906	.....	"	"	11	5	5-6-06	6-6-06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1907	.....	"	"	.....	.....	9-8-06	9-8-06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## (d) — VACCINATION.

Vaccination is under the supervision of the Agency Surgeon, Haraoti and Tonk, and is carried on by one Vaccinator under the direction of the Hospital Assistant in charge of the Raj Dispensary at Shahpura.

The work is done in the cool months from October to March, both in Shahpura town and in the neighbouring villages.

The Vaccinator tours round the villages four times a year and the Hospital Assistant makes one autumn and one spring tour to encourage parents to bring forward their children for vaccination, and to note the results of the work done by the Vaccinator.

Table XIII shows the number of vaccinations performed during the period 1883 to 1908.

TABLE XIII.

*Vaccination in Shahpura Chiefship for the Years 1883-1908.*

Year.	Total Number Vaccinated.	Total Number successful Cases.
1883	780	591
1884	858	616
1885	385	338
1886	666	626
1887	743	681
1888	1,015	878
1889	562	507
1890	674	605
1891	669	555
1892	1,095	863
1893	987	792
1894	933	543
1895	1,433	1,166
1896	1,376	1,103
1897	1,093	888
1898	1,153	950
1899	467	335
1900-01	456	352
1901-02	12	11
1902-03	825	814
1903-04	639	663
1904-05	910	894
1905-06	812	790
1906-07	790	771
1907-08	1,125	591
Total ...	20,458	16,893

## XI.—FAMINES.

Previous to the great famine of 1899-1900, there is, but little on record concerning the famines of this district.

It would appear that scarcity and distress were felt in the years 1812, 1833, 1848, 1860, 1869-70, 1877-78, 1891-92 and 1895-96.

During the famine of 1869-70, 2,000 persons are said to have emigrated, and 9,000 to have died; 68 per cent. of the cattle perished.

The famine of 1899-1900, was due to the rainfall being scanty and irregular, and to its early cessation. The *Kharif* crop was very poor and the *Rabi* was an absolute failure. Relief works were opened in October 1899 and were not closed till the middle of the following August, after the setting in of the monsoon proper. The relief works consisted of grass cutting, and the construction of the Railway earth-work and of two large tanks at Dhanope and Liswaria. The total amount spent on relief works, amounted to Rs. 64,574, (British coin;) Poor houses were also instituted at a cost to the Chiefship of Rs. 12,306; that these relief works were successful may be seen from the fact that only 235 persons succumbed during this famine to insufficiency of food.

The Treasury of the Chiefship suffered severe loss, owing to the necessary suspension of five-twelfths of the revenue.

Takavi loans were issued to help the cultivators to maintain themselves and dig new wells, etc., and after the fall of the rains, sums of money were also distributed from the Charitable Relief Fund to enable them to renew their stock and cattle.

Owing to the scarcity of fodder no attempt was made to save the cattle, the greater number of which died of starvation; a few only which were provided with the leaves of trees survived.

### TABLE XIV.

*List showing the names of Political Officers who have been in charge of the Harauti and Tonk Agency from 1860 to 1910.*

Names.	DATE OF APPOINTMENT.	
	From	To
Captain H. Beynon ... ..	2nd January 1860 ...	18th March 1864.
" H. Phillips ... ..	19th March 1864 ...	1st June 1865.
" N. Bruce ... ..	6th June 1865 ...	7th June 1869.
" W. J. W. Muir ... ..	8th June 1869 ...	14th July 1872.
" W. Robert ... ..	15th July 1872 ...	14th October 1872.
" W. J. W. Muir ... ..	15th October 1872...	2nd February 1873.
Colonel M. C. Donald ... ..	3rd February 1873...	19th March 1873.
Captain J. Berkeley .. ...	20th March 1873 ...	17th October 1874.
" H. Clay ... ..	18th October 1874 ...	25th March 1875.

Names.	DATE OF APPOINTMENT.	
	From.	To
Colonel J. Wright ... ..	26th March 1875 ...	6th April 1875.
Major H. Clay ... ..	8th April 1875 ...	14th April 1875.
Captain W. J. W. Muir ... ..	15th April 1875 ...	16th August 1876.
Major H. Clay ... ..	17th August 1876 ...	18th November 1876.
Lt. Col. J. Berkeley ... ..	19th November 1876	27th December 1878.
Major P. W. Powlett ... ..	28th December 1878	6th February 1879.
„ C. Bayly ... ..	7th February 1879...	29th March 1880.
„ W. J. W. Muir ... ..	30th March 1880 ...	31st March 1886.
„ J. Biddulph ... ..	1st April 1886 ...	19th March 1889.
„ A. P. Thornton ... ..	20th March 1889 ...	21st November 1891.
Captain J. A. Bell ... ..	22nd November 1891	3rd December 1891.
„ J. Ramsay ... ..	4th December 1891	30th April 1892.
Major J. Pears ... ..	1st May 1892 ...	4th November 1892.
„ A. P. Thornton ... ..	5th November 1892	18th March 1895
Captain A. F. Pinhey ... ..	19th March 1895 ...	30th April 1895.
„ J. A. Bell ... ..	1st May 1895 ...	10th July 1895.
Lieutenant R. B. Berkeley ... ..	11th July 1895 ...	1st November 1895.
Captain J. A. Bell ... ..	2nd November 1895	5th December 1895.
Mr. A. L. P. Tucker, C.S. ... ..	6th December 1895	19th April 1898.
Captain J. Manner-Smith V.E., C.I.E.,	20th April 1898 ...	6th September 1898.
„ F. E. Younghusband, C.I.E. ...	7th September 1898	17th May 1899.
Lt.-Col. E. R. Penrose ... ..	18th May 1899 ...	9th July 1899.
Captain F. E. Younghusband, C.I.E.	10th July 1899 ...	7th November 1900.
„ K. D. Erskine, I.A. ... ..	8th November 1900	6th April 1901.
Lieutenant F. B. Pridoux, I.A. ...	7th April 1901 ...	14th November 1901.
„ F. E. Edwards, Esqr., I.C.S.	15th November 1901	27th May 1902.
Lt.-Col. E. R. Penrose ... ..	28th May 1902 ...	6th July 1902.
„ I. C. Edwards, Esqr., I.C.S.	7th July 1902 ...	15th July 1902.
„ E. R. Penrose ... ..	16th July 1902 ...	26th October 1902.
Major C. H. Pritchard, I.A. ... ..	27th October 1902 ...	2nd December 1903.
„ A. D. Bannerman, C.I.E. ... ..	3rd December 1903	16th December 1903.
„ C. Archer, I.A. ... ..	17th December 1903	7th January 1904.
„ W. M. Cabit, I.A. ... ..	8th January 1904 ...	19th January 1904.

Names.	DATE OF APPOINTMENT.	
	From	To
Major W. Scott Moncrieff ... ..	20th January 1904...	31st January 1904.
„ C. H. Pritchard ... ..	1st February 1904 ...	16th March 1905.
Captain A. B. Drummond, I.A. ...	17th March 1905 ...	7th November 1905.
Major R. B. Berkeley, I.A. ... ..	8th November 1905	9th September 1907.
Captain C. M. Goodbody, I.M.S. ...	10th September 1907	9th October 1907.
Major R. B. Berkeley, I.A. ... ..	10th October 1907	30th March 1908.
Captain A. B. Drummond, I.A. (Now Major ... ..)	31st March 1908 ...	Up to date.

